

**INFORMATION DISCLOSURE CITATION**  
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Applicant H. Michael Wenz							
Filing Date November 28, 2000		Group: 1645					
<b>U.S PATENT DOCUMENTS</b>							
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate	
N	4,373,071	Feb 8, 1983	Itakura				
	4,401,796	Aug 30, 1983	Itakura				
	4,415,732	Nov 15, 1983	Caruthers et al.				
	4,458,066	Jul 3, 1984	Caruthers et al.				
	4,500,707	Feb 19, 1985	Caruthers et al.				
	4,668,777	May 26, 1987	Caruthers et al.				
	4,835,263	May 30, 1989	Nguyen et al.				
	4,914,210	Apr 3, 1990	Levenson et al.				
	4,973,679	Nov 27, 1990	Caruthers et al.				
	5,034,506	Jul 23, 1991	Summerton et al.				
	5,047,524	Sep 10, 1991	Andrus et al.				
	5,132,418	Jul 21, 1992	Caruthers et al.				
	5,153,319	Oct 6, 1992	Caruthers et al.				
	5,185,243	Feb 9, 1993	Ullman et al.				
	5,234,809	Aug 10, 1993	Boorn et al.				
	5,262,530	Nov 16, 1993	Andrus et al.				
	5,391,480	Feb 21, 1995	Davis et al.				
	5,415,839	May 16, 1995	Zaun et al.				
	5,432,272	Jul 11, 1995	Benner				
	5,436,327	Jul 25, 1995	Southern et al.				
	5,470,705	Nov 28, 1995	Grossman et al.				
	5,476,930	Dec 19, 1995	Letsinger et al.				
	5,494,810	Feb 27, 1996	Barany et al.				
	5,514,543	May 7, 1996	Grossman et al.				
	5,552,028	Sep 3, 1996	Madabhushi et al.				
	5,580,732	Dec 3, 1996	Grossman et al.				

✓	5,593,840	Jan 14, 1997	Bhatnagar et al.			
	5,624,800	Apr 29, 1997	Grossman et al.			
	5,631,134	May 20, 1997	Cantor			
	5,744,305	Apr 28, 1998	Fodor et al.			
	5,777,096	Jul 7, 1998	Grossman et al.			
	5,789,206	Aug 4, 1998	Tavtigian et al.			
	5,801,155	Sep 1, 1998	Kutyavin et al.			
	5,807,522	Sep 15, 1998	Brown et al.			
	5,807,682	Sep 15, 1998	Grossman et al.			
	5,876,924	Mar 2, 1999	Zhang et al.			
	5,912,148	June 15, 1999	Eggerding			
	5,981,176	Nov 9, 1999	Wallace			
	6,023,540	Feb 8, 2000	Walt			
✓	6,025,136	Feb 15, 2000	Drmanac			
✓	6,027,889	Feb 22, 2000	Barany et al.			


## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	Translation Yes or No
✓	EP 320308	Nov 3, 1993	EP			
	EP 439182	Apr 24, 1996	EP			
	WO 90/01069	Feb 8, 1990	PCT			
	WO 95/35390	Dec 28, 1995	PCT			
	WO 96/41011	Dec 19, 1996	PCT			
✓	WO 97/31256	Aug 28, 1997	PCT			
✓	WO 97/45559	Dec 04, 1997	PCT			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	Agrawal, 1994, Protocols for Polynucleotides and Analogs, Humana Press.
	Ashley and Kushlan, 1991, Biochemistry, 30:2927-2933.
	S. L. Beaucage et al., 2000, Current Protocols in Nucleic Acid Chemistry, John Wiley & Sons, NY.
	Boffa et al., 1995, PNAS, 92:1901-1905.
	Bowtel, 1999, Nature Genetics, 21:25-32.
	Brown and Botstein, 1999, Nature Genetics, 21:33-37.
	Cheung et al., 1999, Nature Genetics, 21:15-19.
	Chu and Orgel, 1988, Nucleic Acids Res., 16:3671-3691.
✓	Current Protocols in Molecular Biology, 2000 and supplements, John Wiley & Sons, Inc.
✓	Diffenbach and Dveksler, 1995, PCR Primer, A Laboratory Manual, Cold Spring Harbor Press, 1995.

✓	Dueholm et al., 1994, J. Org. Chem, 59:5767-5773.
	Egholm et al., 1992, J. Am. Chem. Soc., 114:1895-1897.
	H. Ehrlich et al., 1991, Science, 252:1643-1650.
	Englisch, 1991, Angew. Chem. Int. Ed. Engl., 30:613-629.
	R. Favis et al., 2000, Nature Biotechnology, 18:561-564.
	Fields and Noble, 1990, Int. J. Peptide Protein Res., 35:161-214.
	H. Geada et al., 2000, Forensic Sci. Int. 108:31-37.
	Grossman and Colburn, eds., 1992, Capillary Electrophoresis: Theory and Practice, Academic Press.
	Gryaznov and Letsinger, 1993, Nucleic Acid Res., 21:1403-1408.
	Gryaznov et al., 1994, Nucleic Acid Res., 22: 2366-2369.
	H. Guzaev et al., 1995, Tetrahedron, 51:9375-9384.
	G. T. Hermanson, 1996, Bioconjugate Techniques, Academic Press, San Diego, CA.
	Hsuih et al., 1996, J. Clin. Micro. 34:501-507.
	Hubert and Slater, 1995, Electrophoresis, 16:2137-2142.
	M. Innis et al., 1990, PCR Protocols: A Guide to Methods and Applications, Academic Press, NY.
	Kanaya and Yanagawa, 1986, Biochemistry, 25:7423-7430.
	Kornberg and Baker, 1992, DNA Replication, 2 <sup>nd</sup> Ed, Freeman, San Francisco.
	Koshkin et al., 1998, Tetrahedron 54:3607-3630.
	L. Kricka, 1992, Nonisotopic DNA Probe Techniques, Academic Press, San Diego, CA.
	Kwok et al., 1990, Nucl. Acid Res., 18:999-1005.
	Landegren et al., 1996, Methods: A Companion to Methods in Enzymology, 9:84-90.
	Little et al., 1967, J. Biol. Chem., 242:672.
	Liu and Taylor, 1998, Nucleic Acids Res., 26:3300-3304.
	Lizardi et al., 1998, Nature Genet., 19:225-232.
	Luebke and Dervan, 1992, Nucleic Acids Res., 20:3005-3009.
	Mayer et al., 1994, Analytical Chemistry, 66(10):1777-1780.
	Miller et al., 1988, Nucleic Acids Res., 16(3):9-10.
	Naylor and Gilham, 1966, Biochemistry, 5:2722-2728
	Nielsen et al., 1991, Science, 254:1497-1500.
	Novagen Strandase™ Kit , product insert.
	Purmal et al., 1992, Nucleic Acids Res., 20:3713-3719.
	H.F. Rabenau et al., 2000, Infection 28:97-102.
✓	Sambrook et al., 1989, Molecular Cloning, A Laboratory Manual, Cold Spring Harbor Press.
	Sievers and von Kiedrowski, 1994, Nature, 369:221-224.
✓	Schelt, 1980, Nucleotide Analogs, John Wiley, New York.

✓	Sokolova et al., 1988, FEBS Letters 232: 153-155.
	E. P. Sterchak et al., 1987, Organic Chem., 52:4202.
	Walsh et al., 1991, Biotechniques, 10(4):506-513.
	Vinayak, et al., 1997, Nucleosides & Nucleotides, 16:1653-1656.
	Wang and Kool, 1994, Nucleic Acids Res., 22:2326-2333.
	D.G. Wang et al., 1998, Science 280:1077-1082.
	Wittung et al., 1997, Biochemistry, 36:7973-7979.
	<a href="http://www.the-scientist.com/yr1998/jan/profile1_980105.html">www.the-scientist.com/yr1998/jan/profile1_980105.html</a> .
✓	Xu et al., 1999, Nucleic Acid Res., 27:875-881.
~	Xu et al., 1997, Tetrahedron Lett., 38(22):5595-5598.
Examiner	 Date Considered 12/12/01
*Examiner:	Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
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